

Battery-Kutter

Project Management Process

Successful realisation of your tailored energy system

Introduction

Projects differ in terms of their goals, size, integration strategies, existing routines, know-how and many further aspects.

Established standards and uniform terminology form the basis for the realisation of your tailored energy system according to your conception. They provide clarity and are the prerequisite for successful cooperation and efficient project execution. And ultimately, they guarantee a high level of customer satisfaction!

Professional project management is therefore of fundamental importance to us at Battery-Kutter – and the project management process (PMP) is our guide.





Who we are

Covering everything from the electronics to the carefully refined design, Battery-Kutter has been developing tailor-made battery packs for diverse markets and requirements for over 30 years. We also offer our customers complete system solutions.

Wamtechnik, our sister company, is EN ISO 9001-certified and counts amongst Europe's leading battery pack manufacturers.

Our way of working is straightforward, competent and personal. And above all, we take care of your needs quickly, reliably and with individual solutions.

We make things possible.



What exactly is the PMP?

The Battery-Kutter project management process (PMP) is an overall company process encompassing all work steps that make up a successful collaboration: from drawing up of your requirements profile to the concept and development phase to certification and mass production.

Through the constant personal dialogue with you as an equal partner, our PMP allows us to develop the optimal and most efficient solution for your customised energy system together with you.

Project work = Teamwork

The team is made up of representatives from the various specialised areas, our customers and partners, and a project manager.

The project manager leads the project team for the entire duration of the project and is your personal contact person during this time.

We do not shy away from ensuring the continuous transparency of our processes – quite the opposite: the PMP makes sure you, as our customer, are involved in every work step. You are our team partner, and working closely with you, we never lose sight of the common project vision.

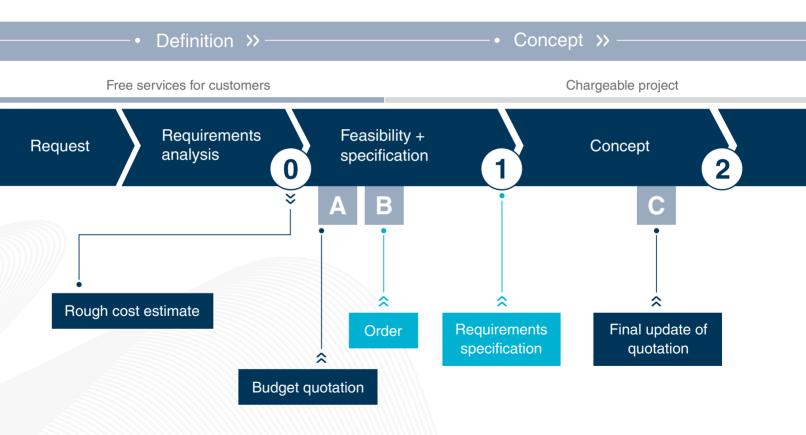


Profit from professional project management

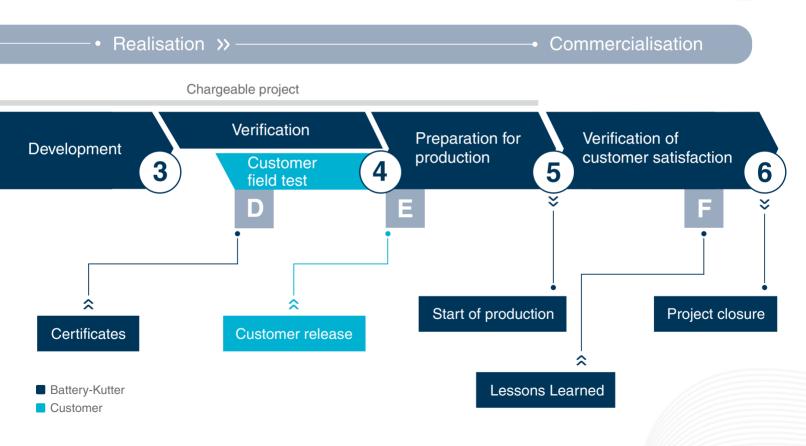




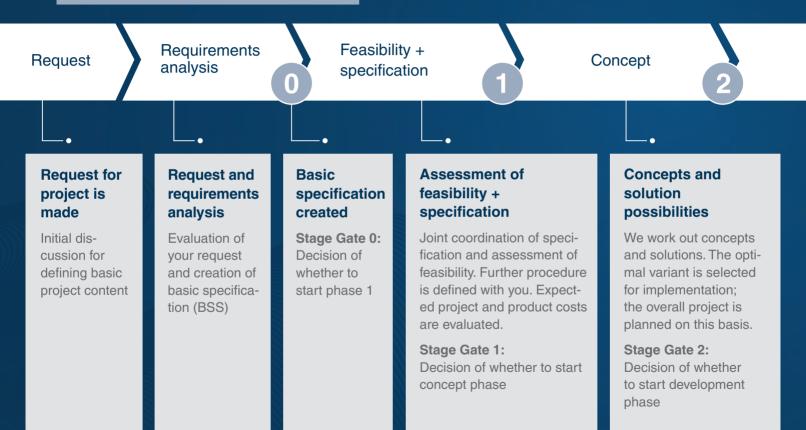
Milestones



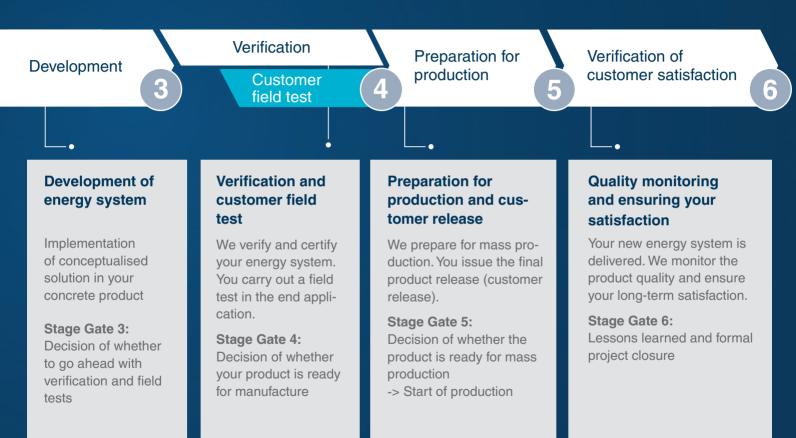




Process phases







Customer-side field test



Your field test checks the product under real application conditions at your end customer site.

It is your final verification prior to production release.



The field test is carried out on production prototypes before the first-off products are manufactured in mass production conditions. This period must be included in the project schedule right from the start of project planning.

Your product under real application conditions

Key Deliverables

Rec	uest Requirements analysis	Feasibility + specification	Concept	2
Goal	 Decision of whether to accept the project Basic specification 	 Analysis of feasibility Preparation of requirements specif. Customer consultation Project order 	 Development of concepts and solutions Selection of optimal variant 	
Battery-Kutter	 Determination of requirements Analysis of application case 1st appointment for customer consultation Creation of basic specification 	 Analysis of feasibility Evaluation of requirements Formulation of rough concept Cost estimation for overall project Quotation Basic contract 	 Concepts and variants Project planning Final customer quotation CAD model Cell test reports BMS architecture Joint kick-off 	
Customer		 Creation of specification / requirements specification in dialogue with Battery-Kutter Placement of order 	 Selection of optimal version of conceptualised solutions 	
Result	 Basic specification = battery specification sheet 	 Requirements specification Quotation Order 	Concept Revised quotation	



Development	Verification Customer field test	Preparation for production	Verification of customer satisfaction 6
 Product development Manufacture of prototypes 	 Verification, approvals and certifications Field test by customer 	 Customer acceptance Production start-up First-off products manufactured in mass production conditions 	 Verification of customer satisfaction Lessons Learned Project closure
 Product development Prototypes from different phases Initial verifications and tests 	 Verification External approvals Certifications Documentation of proof Confirmation of product compliance 	 Production planning First article inspection Customer acceptance First-off products manufactured in mass production conditions Mass production release 	 Lessons Learned Project review with customer Verification of customer satisfaction
 Forecast Initial verifications & tests Field test plan + sample ordering 	 Rolling forecast Field test Ordering of mass-manufactured products 	 Rolling forecast Final product release 	 Rolling forecast Ordering of mass-manufactured products Lessons Learned Project review
 Development/engineering prototypes Production prototypes 	 Certificates and approvals Results of customer field test 	 Delivery of first-off products manufactured in mass production conditions Final product documentation 	 Delivery of mass-manufactured products Project closure



Quality inspection & certification

Battery-Kutter offers its customers extensive tests & certifications.

Certification of test passed in accordance with UN 38.3 and IEC 62133-2 and CE certification are standard. We can also have your energy system tested and certified according to individual specifications.

For example, via extended vibration and shock tests, climate tests, conformity according to various UL standards and much more – tailored perfectly to your requirements.



Recycling concepts for your energy system

A sustainable recycling concept for your energy system is very important. We advise you early on in the project on costs and options for effective recycling.

We look forward to working with you on your project!

Profit from our 30 years of experience in the development of custommanufactured energy systems.

Our work is not just focussed on selecting the right system for your application, but it also includes adapting modern monitoring and security electronics and choosing the appropriate charging technology.

Our project managers look forward to helping you find a tailored solution for your specific requirements.

We would also be happy to discuss this with you personally. Contact us on +49 40 611 631-0 or via email: info@battery-kutter.de



Battery Kutter Solutions for mobile energy



Battery-Kutter

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